

Standard Extraction Method
PRIOR ART

Dry lipids under nitrogen
⇓
Sonicate in buffer to form micelles
Add reaction mixture
⇓
Stop Reaction
⇓
Extract lipids in chloroform/methanol
to induce two phases
⇓
Spin down
⇓
Remove upper (water) phase
⇓
To lower phase add
artificial upper phase
⇓
Spin down
⇓
Remove lower (lipid) phase
into fresh tubes
⇓
Count or run TLC

Present Invention

Spot liquids on the membrane directly
from chloroform/methanol solution
⇓
Add reaction mixture
(enzyme + ^{32}P -ATP)
⇓
Stop reaction
⇓
Wash membranes
⇓
Phosphoimage analysis or
radioactivity counting

FIG. 1

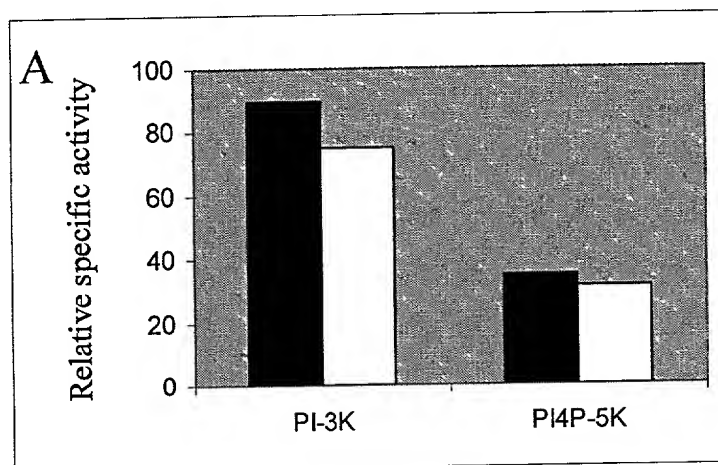


FIG. 2A

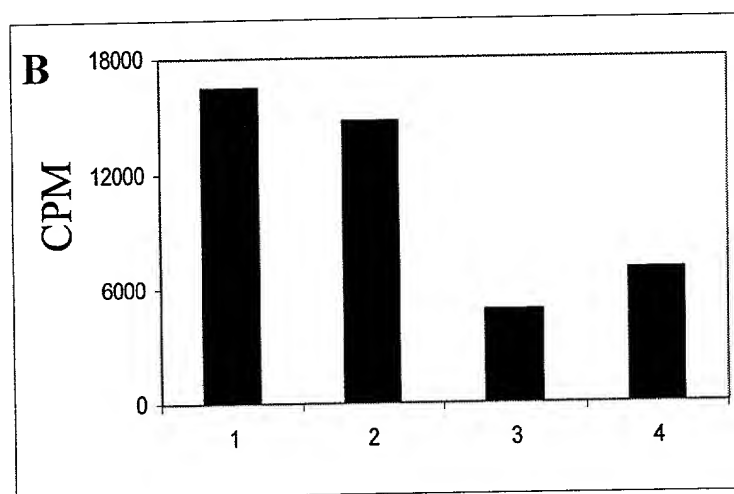


FIG. 2B

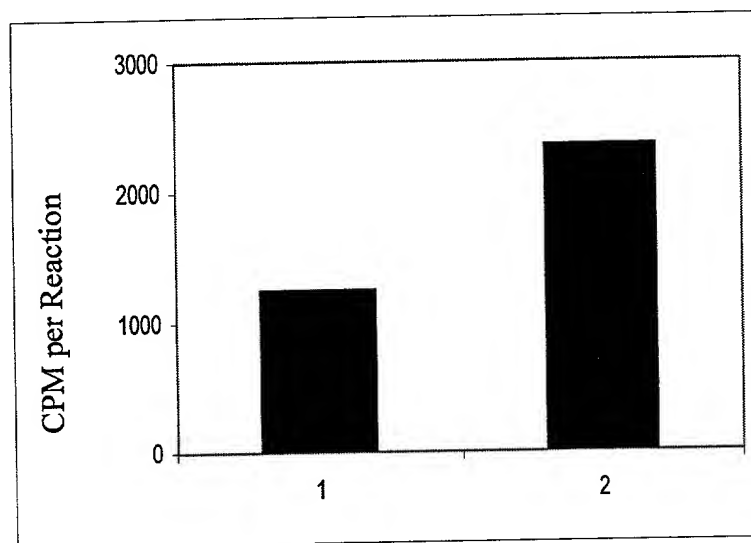


FIG. 3

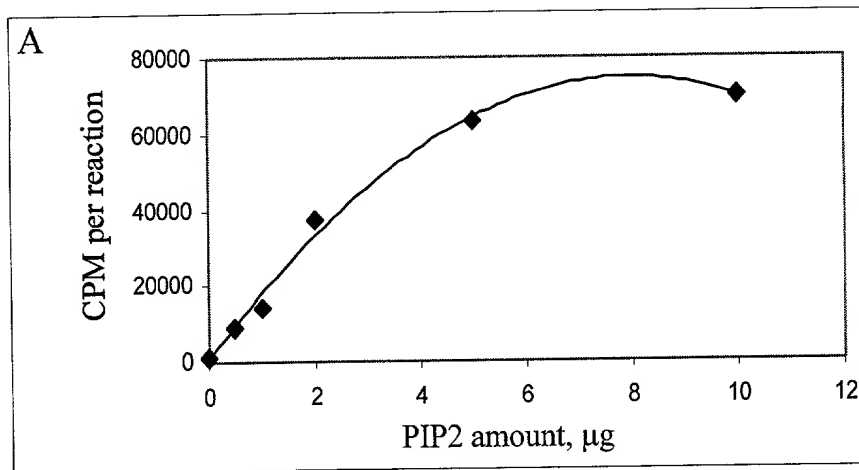


FIG. 4A

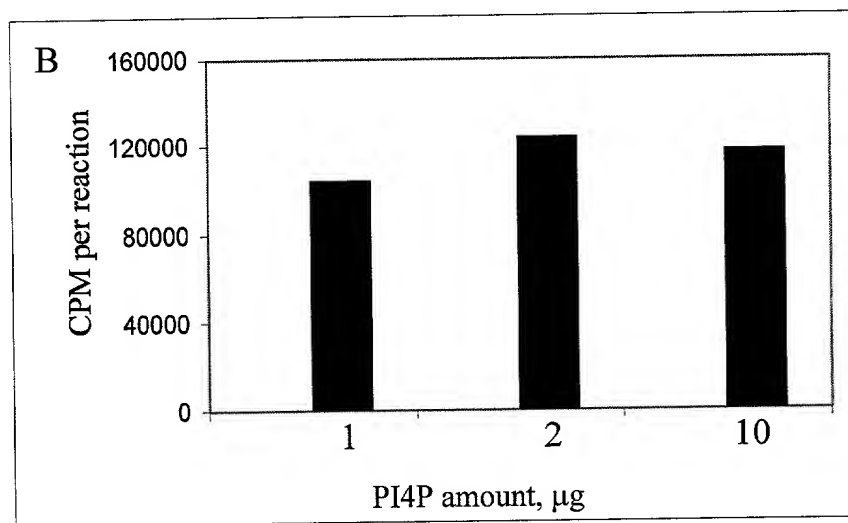


FIG. 4B

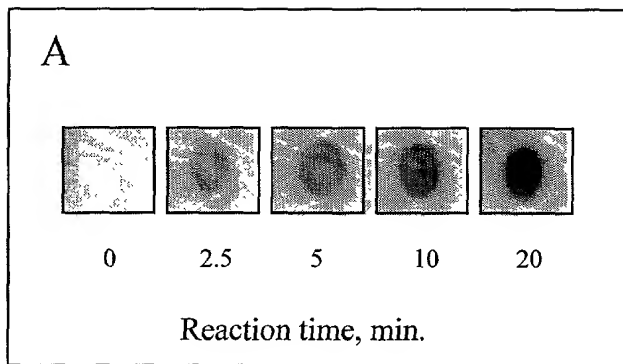


FIG. 5A

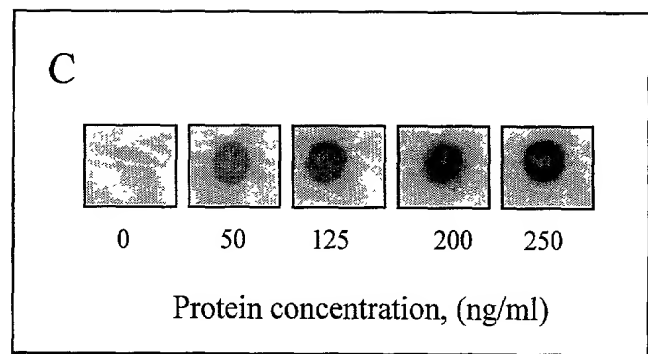


FIG. 5C

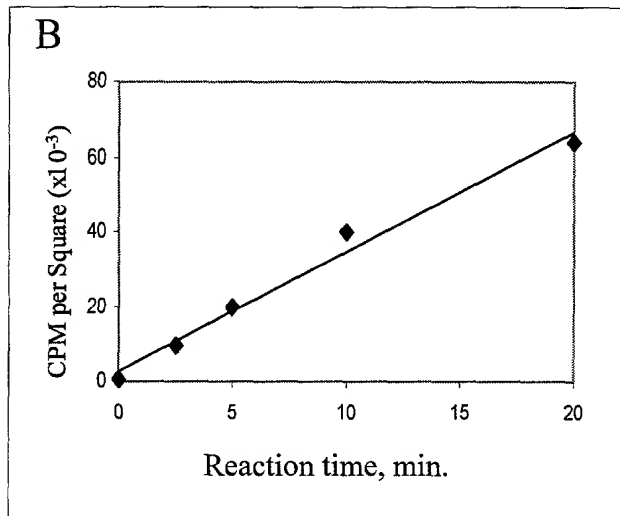


FIG. 5B

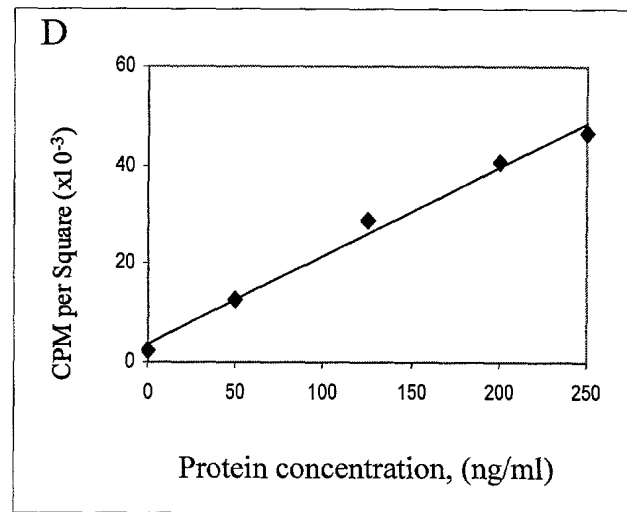


FIG. 5D

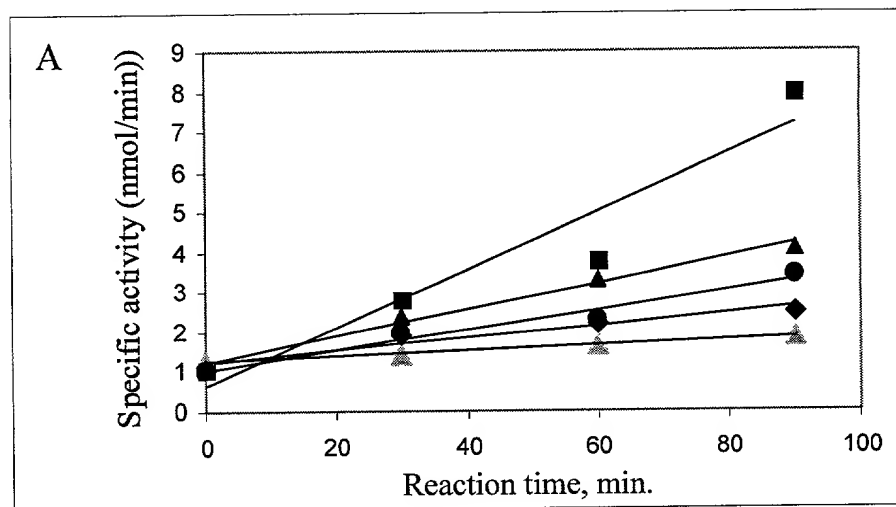


FIG. 6A

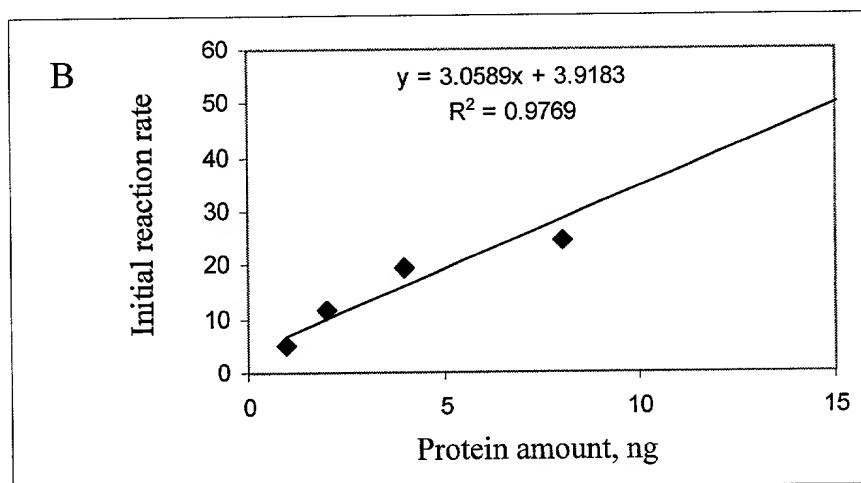


FIG. 6B

Main points: 1. Reproducibility

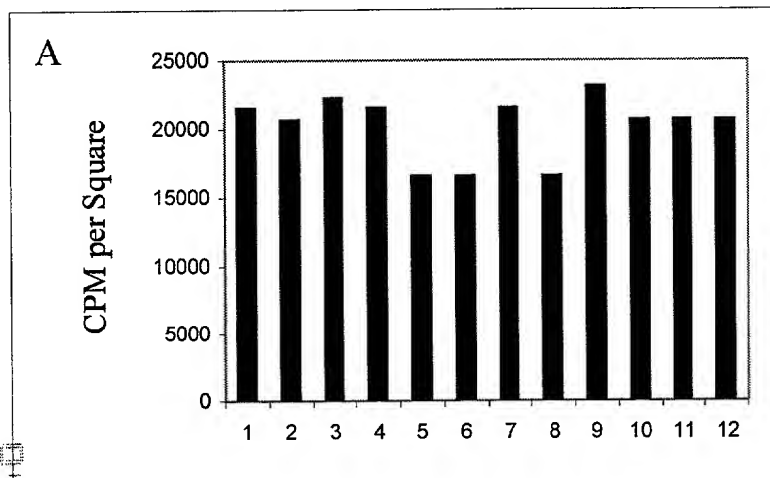


FIG. 7A

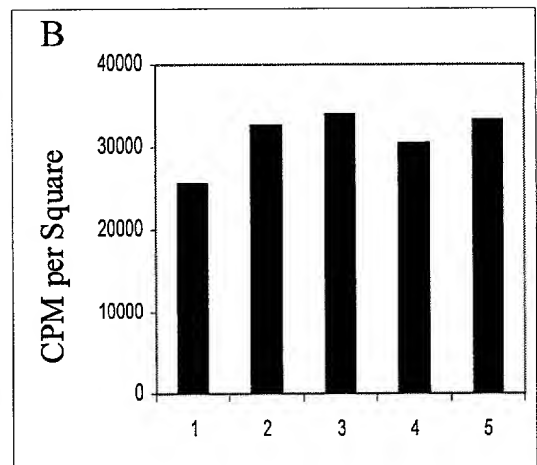


FIG. 7B

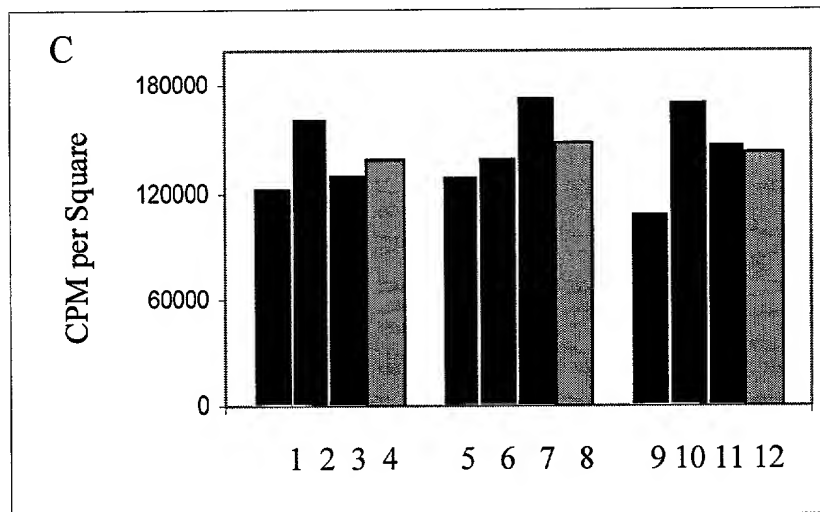


FIG. 7C

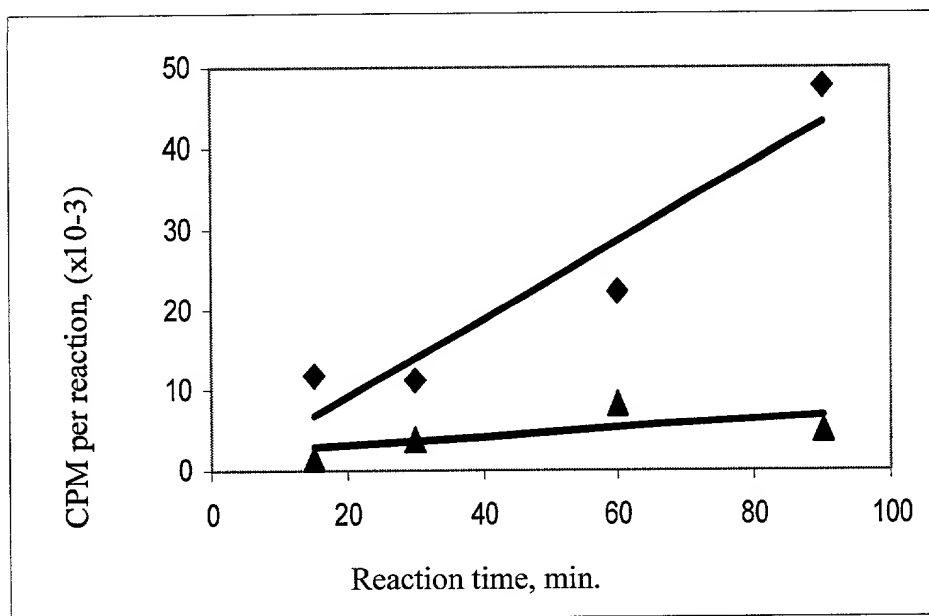


FIG. 8

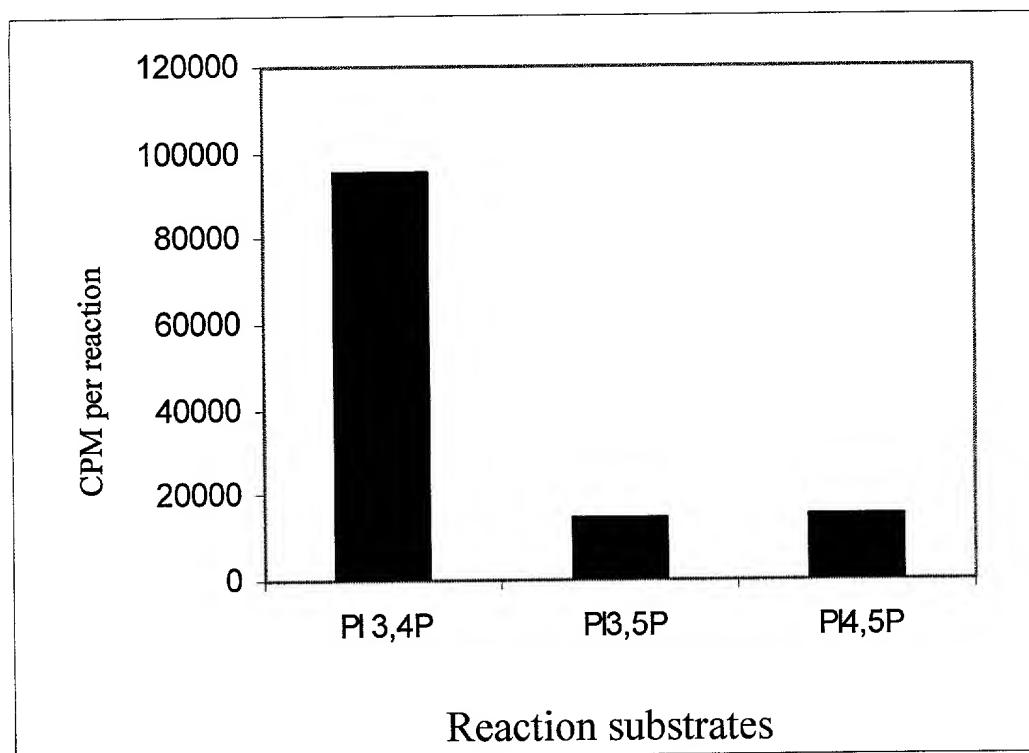


FIG. 9

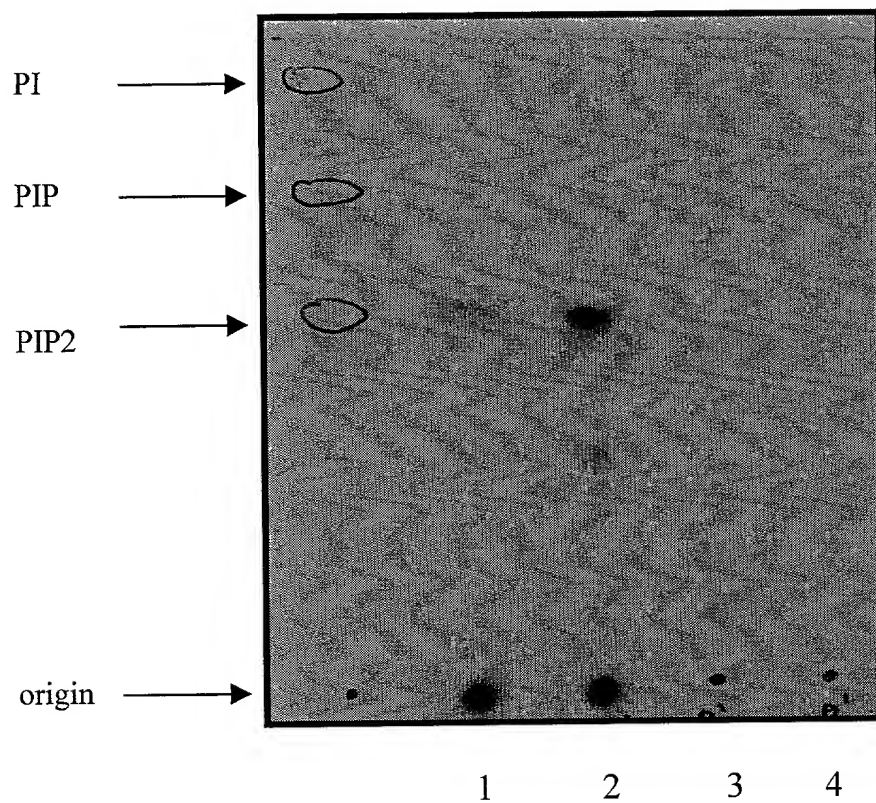


FIG. 10

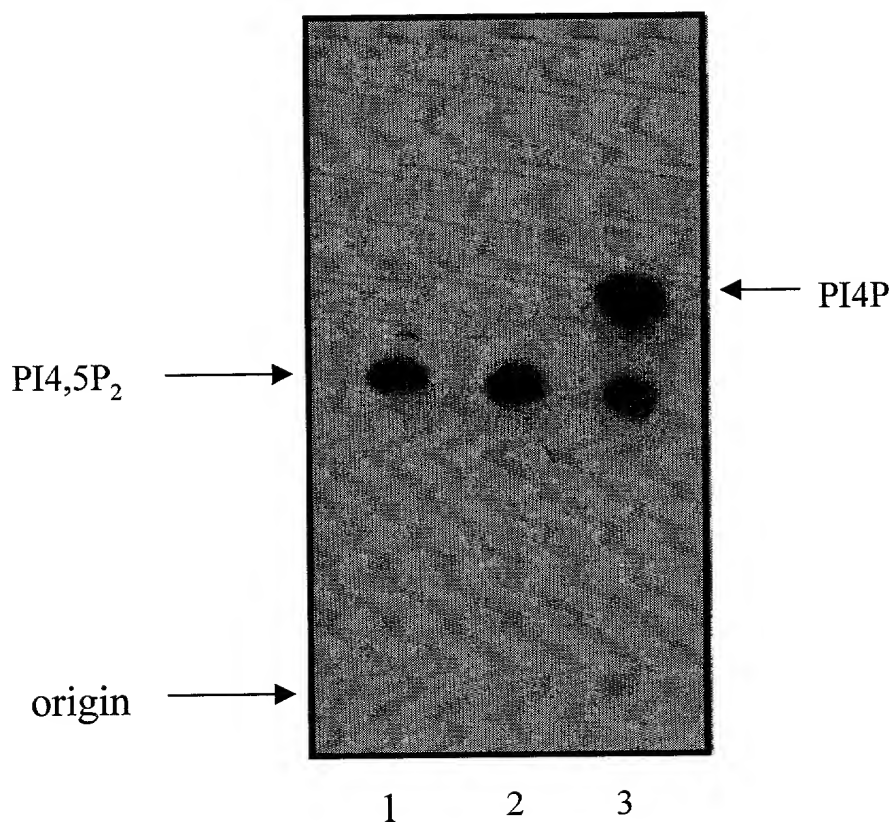


FIG. 11A

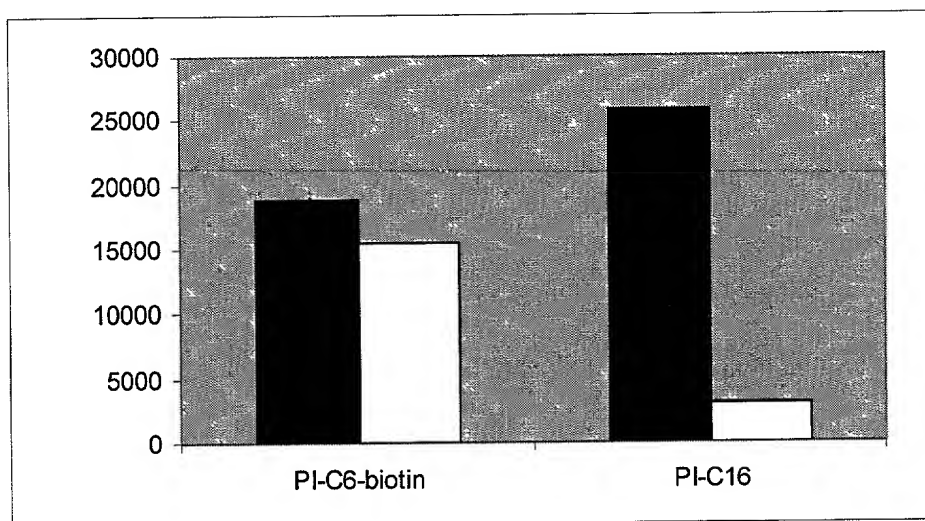


FIG. 11B